Patent Claims

1. A method for transmission power adjustments for a mobile communications terminal, which is equipped with a power amplifier whose output signal amplitude depends on the frequency of an input signal to the power amplifier, an RF connector, an internal antenna and a connection for an external antenna, and which is designed for operation in at least one standard mobile radio frequency band,
characterized in that
the at least one standard mobile radio frequency band is subdivided into two or more frequency intervals, and one power adjustment operation is carried out in each case for at least some of the frequency intervals.

2. The method as claimed in claim 1,
characterized in that
the power adjustment operation for the frequency intervals is carried out by access to at least one reference table, in which an adjustment factor is associated with each frequency interval.

3. The method as claimed in claim 1,
characterized in that
the power adjustment is carried out on the basis of measurements of an antenna in order to determine whether the internal or the external antenna is being used.

4. The method as claimed in claim 3,
characterized in that,
when using the internal antenna, the power adjustment is carried out such that the emitted power level from

the mobile communications terminal is essentially independent of the frequency of the input signal to the power amplifier.

5. The method as claimed in claim 4,
characterized in that
the power adjustment is carried out such that optimization of the SAR value over the at least one standard mobile radio frequency band is given priority.

6. The method as claimed in one of claims 3 to 5,
characterized in that,
when using the external antenna, the power adjustment is carried out such that the RF power which is applied to the RF connector is essentially independent of the frequency of the input signal to the power amplifier.

7. A mobile communications terminal having a power amplifier whose output signal amplitude depends on the frequency of the input signal to the power amplifier, an RF connector, an internal antenna and a connection for an external antenna, and having a device for power adjustment for the output power from the communications terminal in at least one standard mobile radio frequency band,
characterized in that
the device for power adjustment is designed to adjust the output power for two or more frequency intervals (1; 2; 3; 4; 5; 6) in the at least one standard mobile radio frequency band.

8. The communications terminal as claimed in claim 7,
characterized in that
the device for power adjustment has at least one software-implemented reference table (V1; V2), in which an adjustment factor is associated with each frequency interval (1; 2; 3; 4; 5; 6).

9. The communications terminal as claimed in claim 8, characterized in that
the device for power adjustment comprises an RF connector (K) for the communications terminal, on which the power adjustment is carried out.

10. The communications terminal as claimed in claim 7, characterized in that
the device for power adjustment is connected to an antenna detector (D) for the mobile communications terminal, which determines whether the internal or the external antenna is being used.